Soil type	SP	G	Mc	e	γd	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	ОМС	MDD	Reference	Dataset notation
	%	-	%	-	kN/m ³	%	%	%	-	kPa	•	%	%	%	kN/m ³		
Low plastic clay (modified proctor)	10.5	2.83	8.6	0.6	18.6	28	20	8	CL	1	0.4	21	54	12.0	19.4		
Low plastic clay (standard proctor)	8.0	2.83	12.6	0.5	21.0	28	20	8	CL	1	0.4	21	54	12.0	19.4		
Low plastic clay (standard proctor)	5.0	2.83	16.5	0.6	20.7	28	20	8	CL	1	0.4	21	54	12.0	19.4		
Low plastic clay (modified proctor)	16.8	2.83	8.0	0.5	20.7	28	20	8	CL	1	0.4	21	54	12.0	19.4		
Low plastic clay (modified proctor)	15.3	2.83	10.0	0.4	21.3	28	20	8	CL	1	0.4	21	54	12.0	19.4		
Low plastic clay (modified proctor)	9.2	2.83	13.0	0.4	21.9	28	20	8	CL	1	0.4	21	54	12.0	19.4		
Low plastic clay (modified proctor)	4.4	2.83	16.0	0.5	21.4	28	20	8	CL	1	0.4	21	54	12.0	19.4		
Medium plastic clay (standard proctor)	13.3	2.83	8.4	0.8	17.1	28	20	8	CL	1	0.4	21	54	12.0	19.4		
Medium plastic clay (standard proctor)	15.3	2.84	10.0	0.7	18.6	36	20	16	CL	1	0.6	26	68	14.0	18.8		
Medium plastic clay (standard proctor)	15.6	2.84	12.0	0.6	19.4	36	20	16	CL	1	0.6	26	68	14.0	18.8		
Medium plastic clay (standard proctor)	13.6	2.84	13.9	0.6	20.0	36	20	16	CL	1	0.6	26	68	14.0	18.8		
Medium plastic clay (standard proctor)	6.6	2.84	17.1	0.6	20.9	36	20	16	CL	1	0.6	26	68	14.0	18.8	[4]	
Medium plastic clay (standard proctor)	3.2	2.84	19.2	0.6	20.5	36	20	16	CL	1	0.6	26	68	14.0	18.8	[1]	DS-1
Medium plastic clay (modified proctor)	19.0	2.84	7.9	0.7	17.8	36	20	16	CL	1	0.6	26	68	14.0	18.8		
Medium plastic clay (modified proctor)	20.3	2.84	8.9	0.6	19.0	36	20	16	CL	1	0.6	26	68	14.0	18.8		
Medium plastic clay (modified proctor)	19.5	2.84	9.8	0.6	19.6	36	20	16	CL	1	0.6	26	68	14.0	18.8		
Medium plastic clay (modified proctor)	17.9	2.84	12.9	0.5	20.7	36	20	16	CL	1	0.6	26	68	14.0	18.8		
Medium plastic clay (modified proctor)	15.4	2.84	14.0	0.5	21.5	36	20	16	CL	1	0.6	26	68	14.0	18.8		
Medium plastic clay (modified proctor)	3.8	2.84	17.3	0.6	20.8	36	20	16	CL	1	0.6	26	68	14.0	18.8		
Medium plastic clay (modified proctor)	21.0	2.72	9.3	0.7	17.2	47	27	20	CL	1	0.7	28	51	16.0	16.7		
Medium plastic clay (modified proctor)	20.6	2.72	10.5	0.7	17.7	47	27	20	CL	1	0.7	28	51	16.0	16.7		
Medium plastic clay (modified proctor)	21.4	2.72	14.7	0.6	19.0	47	27	20	CL	1	0.7	28	51	16.0	16.7		
Medium plastic clay (modified proctor)	20.0	2.72	16.0	0.6	19.4	47	27	20	CL	1	0.7	28	51	16.0	16.7		
Medium plastic clay (modified proctor)	14.7	2.72	20.1	0.6	19.6	47	27	20	CL	1	0.7	28	51	16.0	16.7		
Medium plastic clay (modified proctor)	8.2	2.72	23.5	0.7	18.9	47	27	20	CL	1	0.7	28	51	16.0	16.7		
High plastic clay (modified proctor)	23.5	2.51	10.7	0.7	16.0	68	29	39	СН	1	1.3	29	41	18.0	16.1		

Soil type	SP	G	Mc	e	γd	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	ОМС	MDD	Reference	Dataset notation
High plastic clay (modified proctor)	22.7	2.51	13.6	0.7	17.0	68	29	39	CH	1	1.3	29	41	18.0	16.1		
High plastic clay (modified proctor)	24.4	2.51	16.0	0.6	18.4	68	29	39	CH	1	1.3	29	41	18.0	16.1		
High plastic clay (modified proctor)	24.4	2.51	19.2	0.5	19.1	68	29	39	CH	1	1.3	29	41	18.0	16.1		
High plastic clay (modified proctor)	17.7	2.51	21.3	0.6	19.0	68	29	39	CH	1	1.3	29	41	18.0	16.1		
High plastic clay (modified proctor)	10.4	2.51	24.0	0.7	18.5	68	29	39	CH	1	1.3	29	41	18.0	16.1		
High plastic clay (modified proctor)	29.3	2.65	8.9	0.7	16.9	76	26	50	CH	1	1.3	38	31	16.0	16.8	[1]	DS-1
High plastic clay (modified proctor)	32.1	2.65	11.1	0.6	17.9	76	26	50	CH	1	1.3	38	31	16.0	16.8		
High plastic clay (modified proctor)	34.4	2.65	13.9	0.6	19.1	76	26	50	CH	1	1.3	38	31	16.0	16.8		
High plastic clay (modified proctor)	32.2	2.65	15.4	0.6	18.7	76	26	50	CH	1	1.3	38	31	16.0	16.8		
High plastic clay (modified proctor)	30.0	2.65	16.9	0.6	19.6	76	26	50	СН	1	1.3	38	31	16.0	16.8		
High plastic clay (modified proctor)	22.1	2.65	20.4	0.6	19.6	76	26	50	СН	1	1.3	38	31	16.0	16.8		
Highly plastic clay- Zekeriyakoy—Istanbul district	18.0	2.8	15.0	1.5	11.5	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	13.5	2.8	20.0	1.6	11.5	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	10.7	2.8	25.0	1.6	11.5	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	9.1	2.8	30.0	1.6	11.5	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	3.6	2.8	35.0	1.7	11.5	75	21	54	СН	7	0.98	55	38	23.0	16.1	[2]	DC 2
Highly plastic clay- Zekeriyakoy—Istanbul district	1.5	2.8	40.0	1.7	11.5	75	21	54	СН	7	0.98	55	38	23.0	16.1		DS-2
Highly plastic clay- Zekeriyakoy—Istanbul district	18.5	2.8	15.0	1.2	13.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	15.0	2.8	20.0	1.3	13.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	12.1	2.8	25.0	1.3	13.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	10.1	2.8	30.0	1.3	13.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		

Soil type	SP	G	Mc	e	$\gamma_{ m d}$	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	OMC	MDD	Reference	Dataset notation
Highly plastic clay- Zekeriyakoy—Istanbul district	4.8	2.8	35.0	1.4	13.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	2.8	2.8	40.0	1.4	13.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	20.0	2.8	15.0	1.1	14.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	15.8	2.8	20.0	1.1	14.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	13.0	2.8	25.0	1.1	14.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	11.8	2.8	30.0	1.2	14.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	5.0	2.8	35.0	1.2	14.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	20.6	2.8	15.0	0.9	15.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	16.8	2.8	20.0	1.0	15.0	75	21	54	СН	7	0.98	55	38	23.0	16.1	[2]	DC 4
Highly plastic clay- Zekeriyakoy—Istanbul district	13.7	2.8	25.0	1.0	15.0	75	21	54	СН	7	0.98	55	38	23.0	16.1	[2]	DS-2
Highly plastic clay- Zekeriyakoy—Istanbul district	12.2	2.8	30.0	1.0	15.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	21.8	2.8	15.0	0.8	16.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	18.2	2.8	20.0	0.8	16.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	15.1	2.8	25.0	0.9	16.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	22.1	2.8	15.0	0.7	17.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Zekeriyakoy—Istanbul district	20.2	2.8	20.0	0.7	17.0	75	21	54	СН	7	0.98	55	38	23.0	16.1		
Highly plastic clay- Arapsuyu—Antalya district	14.0	2.8	15.0	1.5	11.5	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	12.1	2.8	20.0	1.6	11.5	73	26	47	СН	7	0.94	50	46	23.0	16.0		

Soil type	SP	G	Mc	e	γd	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	ОМС	MDD	Reference	Dataset notation
Highly plastic clay- Arapsuyu—Antalya district	11.0	2.8	25.0	1.6	11.5	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	8.6	2.8	30.0	1.7	11.5	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	3.1	2.8	35.0	1.7	11.5	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	0.9	2.8	40.0	1.7	11.5	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	14.2	2.8	15.0	1.2	13.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	12.5	2.8	20.0	1.3	13.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	11.4	2.8	25.0	1.3	13.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	9.0	2.8	30.0	1.4	13.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	3.6	2.8	35.0	1.4	13.0	73	26	47	СН	7	0.94	50	46	23.0	16.0	[2]	DS-2
Highly plastic clay- Arapsuyu—Antalya district	1.1	2.8	40.0	1.4	13.0	73	26	47	СН	7	0.94	50	46	23.0	16.0	[2]	DS-2
Highly plastic clay- Arapsuyu—Antalya district	15.0	2.8	15.0	1.1	14.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	13.0	2.8	20.0	1.1	14.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	11.8	2.8	25.0	1.2	14.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	9.7	2.8	30.0	1.2	14.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	4.1	2.8	35.0	1.2	14.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	16.0	2.8	15.0	0.9	15.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	14.2	2.8	20.0	1.0	15.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	12.3	2.8	25.0	1.0	15.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		

Soil type	SP	G	Mc	e	γd	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	ОМС	MDD	Reference	Dataset notation
Highly plastic clay- Arapsuyu—Antalya district	10.4	2.8	30.0	1.0	15.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	17.6	2.8	15.0	0.8	16.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	15.8	2.8	20.0	0.9	16.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	13.2	2.8	25.0	0.9	16.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	18.0	2.8	15.0	0.7	17.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	16.4	2.8	20.0	0.7	17.0	73	26	47	СН	7	0.94	50	46	23.0	16.0		
Highly plastic clay- Arapsuyu—Antalya district	12.0	2.9	15.0	1.6	11.5	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	11.0	2.9	20.0	1.6	11.5	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	9.0	2.9	25.0	1.7	11.5	66	28	38	СН	7	0.73	52	46	27.0	15.2	[2]	DS-2
Highly plastic clay- Arapsuyu—Antalya district	7.5	2.9	30.0	1.7	11.5	66	28	38	СН	7	0.73	52	46	27.0	15.2	[2]	DS-2
Highly plastic clay- Arapsuyu—Antalya district	2.2	2.9	35.0	1.7	11.5	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	0.5	2.9	40.0	1.8	11.5	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	13.0	2.9	15.0	1.3	13.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	11.6	2.9	20.0	1.3	13.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	9.5	2.9	25.0	1.3	13.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	8.0	2.9	30.0	1.4	13.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	2.6	2.9	35.0	1.4	13.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	0.8	2.9	40.0	1.5	13.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		

Soil type	SP	G	Mc	e	γd	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	ОМС	MDD	Reference	Dataset notation
Highly plastic clay- Arapsuyu—Antalya district	13.4	2.9	15.0	1.1	14.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	12.0	2.9	20.0	1.1	14.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	10.0	2.9	25.0	1.2	14.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	8.4	2.9	30.0	1.2	14.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	3.0	2.9	35.0	1.2	14.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	14.0	2.9	15.0	1.0	15.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	12.8	2.9	20.0	1.0	15.0	66	28	38	СН	7	0.73	52	46	27.0	15.2	[2]	DC 4
Highly plastic clay- Arapsuyu—Antalya district	11.0	2.9	25.0	1.0	15.0	66	28	38	СН	7	0.73	52	46	27.0	15.2	[2]	DS-2
Highly plastic clay- Arapsuyu—Antalya district	9.0	2.9	30.0	1.1	15.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	15.0	2.9	15.0	0.8	16.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	13.9	2.9	20.0	0.9	16.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	11.6	2.9	25.0	0.9	16.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	15.6	2.9	15.0	0.7	17.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Highly plastic clay- Arapsuyu—Antalya district	14.0	2.9	20.0	0.8	17.0	66	28	38	СН	7	0.73	52	46	27.0	15.2		
Al-Qatif clay - Saudi Arabia	29.5	2.6	51.1		11.0	150	48	103	CH	7							
Al-Qatif clay - Saudi Arabia	13.1	2.6	50.7		10.8	131	39	91	СН	7							
Al-Qatif clay - Saudi Arabia	0.6	2.7	36.2		11.3	71	30	41	СН	7						[3]	DS-3
Al-Jesh clay - Saudi Arabia	1.3	2.5	85.9		8.1	184	83	100	СН	7							
Al-Ajam clay - Saudi Arabia	2.6	2.6	55.0		10.7	85	45	40	MH	7							

Soil type	SP	G	Mc	e	$\gamma_{ m d}$	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	ОМС	MDD	Reference	Dataset notation
Umm-Al-Hammam clay - Saudi Arabia	12.9	2.6	73.6		8.8	169	42	127	CH	7							
Umm As Sahik clay - Saudi Arabia	12.7	2.4	58.2		12.5	140	46	93	СН	7							
Umm As Sahik clay - Saudi Arabia	1.4	2.7	27.9		21.8	58	26	32	СН	7							
Al-Khars clay - Saudi Arabia	8.4	2.9	20.4		17.0	71	30	42	СН	7							
Al-Khars clay - Saudi Arabia	2.9	2.8	36.0		13.4	88	37	51	СН	7							
Al-Mansoriya clay - Saudi Arabia	12.0	3.0	42.1		12.3	142	47	95	СН	7						[2]	DC 2
Al-Mansoriya clay - Saudi Arabia	4.0	2.4	16.5		17.9	77	33	44	СН	7						[3]	DS-3
Al-Nathel clay - Saudi Arabia	14.2	2.2	21.2		15.6	74	33	42	СН	7							
Al-Hamadiya clay - Saudi arabia	2.5	2.8	18.0		18.1	60	30	30	MH- CH	7							
Al-Salehiya clay - Saudi Arabia	4.5	2.8	26.5		14.6	71	34	37	MH- CH	7							
Mhasen(Aramco) clay - Saudi Arabia	6.3	2.2	18.9		16.1	67	29	38	СН	7							
					•			•	•					•		•	
95 % Kaolinite: 5%Bentonite	27.0		10.0		15.3	48	25	23	CL	1		50.38		17.0	16.5		
95 % Kaolinite: 5% Bentonite	30.2		10.0		16.9	48	25	23	CL	1		50.38		17.0	16.5		
95 % Kaolinite: 5% Bentonite	33.2		10.0		17.6	48	25	23	CL	1		50.38		17.0	16.5		
95 % Kaolinite: 5% Bentonite	18.3		15.0		14.6	48	25	23	CL	1		50.38		17.0	16.5		
95 % Kaolinite: 5% Bentonite	20.5		15.0		15.7	48	25	23	CL	1		50.38		17.0	16.5		
95 % Kaolinite: 5% Bentonite	24.8		15.0		16.5	48	25	23	CL	1		50.38		17.0	16.5		
95 % Kaolinite: 5% Bentonite	26.2		15.0		16.9	48	25	23	CL	1		50.38		17.0	16.5	[[4]	DC 4
95 % Kaolinite: 5% Bentonite	11.1		20.0		16.2	48	25	23	CL	1		50.38		17.0	16.5	[4]	DS-4
95 % Kaolinite: 5% Bentonite	13.1		20.0		16.3	48	25	23	CL	1		50.38		17.0	16.5		
95 % Kaolinite: 5% Bentonite	15.1		20.0		16.3	48	25	23	CL	1		50.38		17.0	16.5]	
95 % Kaolinite: 5% Bentonite	16.8		20.0		16.6	48	25	23	CL	1		50.38		17.0	16.5		
95 %Kaolinite:5%Bentonite	5.9		25.0		15.0	48	25	23	CL	1		50.38		17.0	16.5		
95 % Kaolinite: 5% Bentonite	5.3		25.0		15.1	48	25	23	CL	1		50.38		17.0	16.5]	
95 %Kaolinite:5%Bentonite	6.0		25.0		15.5	48	25	23	CL	1		50.38		17.0	16.5	1	

Soil type	SP	G	Mc	e	$\gamma_{ m d}$	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	ОМС	MDD	Reference	Dataset notation
95 % Kaolinite: 5% Bentonite	6.3		25.0		15.2	48	25	23	CL	1		50.38		17.0	16.5		
90 % Kaolinite: 10% Bentonite	35.4		10.0		14.5	59	26	33	СН	1		51.86		20.0	15.5		
90 % Kaolinite: 10% Bentonite	40.2		10.0		16.1	59	26	33	СН	1		51.86		20.0	15.5		
90 % Kaolinite: 10% Bentonite	42.4		10.0		16.5	59	26	33	СН	1		51.86		20.0	15.5		
90 % Kaolinite: 10% Bentonite	40.5		15.0		14.1	59	26	33	СН	1		51.86		20.0	15.5		
90 % Kaolinite: 10% Bentonite	40.8		15.0		15.1	59	26	33	СН	1		51.86		20.0	15.5		
90 % Kaolinite: 10% Bentonite	40.0		15.0		16.1	59	26	33	СН	1		51.86		20.0	15.5		
90 % Kaolinite: 10% Bentonite	41.2		15.0		16.1	59	26	33	СН	1		51.86		20.0	15.5		
90 % Kaolinite: 10% Bentonite	25.0		20.0		14.5	59	26	33	СН	1		51.86		20.0	15.5		
90 % Kaolinite: 10% Bentonite	26.0		20.0		15.5	59	26	33	СН	1		51.86		20.0	15.5		
90 % Kaolinite: 10% Bentonite	28.0		20.0		16.2	59	26	33	СН	1		51.86		20.0	15.5		
90 % Kaolinite: 10% Bentonite	28.7		25.0		16.4	59	26	33	СН	1		51.86		20.0	15.5		
90 % Kaolinite: 10% Bentonite	14.2		25.0		15.8	59	26	33	СН	1		51.86		20.0	15.5		
90 % Kaolinite: 10% Bentonite	22.7		25.0		15.3	59	26	33	СН	1		51.86		20.0	15.5	[4]	DS-4
90 % Kaolinite: 10% Bentonite	25.0		25.0		15.2	59	26	33	СН	1		51.86		20.0	15.5		
90 % Kaolinite: 10% Bentonite	27.7		25.0		14.9	59	26	33	СН	1		51.86		20.0	15.5		
85 % Kaolinite: 15% Bentonite	56.7		11.8		15.9	81	26	55	СН	1		53.34		22.5	14.9		
85 % Kaolinite: 15% Bentonite	48.3		14.6		14.6	81	26	55	СН	1		53.34		22.5	14.9		
85 % Kaolinite: 15% Bentonite	52.7		15.5		15.5	81	26	55	СН	1		53.34		22.5	14.9		
85 % Kaolinite: 15% Bentonite	59.9		15.7		15.9	81	26	55	СН	1		53.34		22.5	14.9		
85 % Kaolinite: 15% Bentonite	48.9		19.5		14.8	81	26	55	СН	1		53.34		22.5	14.9		
85 % Kaolinite: 15% Bentonite	54.8		20.9		15.5	81	26	55	СН	1		53.34		22.5	14.9		
85 % Kaolinite: 15% Bentonite	59.3		21.0		16.3	81	26	55	СН	1		53.34		22.5	14.9	1	
85 % Kaolinite: 15% Bentonite	60.1		19.5		16.6	81	26	55	СН	1		53.34		22.5	14.9		
85 % Kaolinite: 15% Bentonite	44.8		24.6		14.8	81	26	55	СН	1		53.34		22.5	14.9	1	
85 % Kaolinite: 15% Bentonite	48.5		24.0		17.9	81	26	55	СН	1		53.34		22.5	14.9	1	
85 % Kaolinite: 15% Bentonite	53.6		24.8		17.0	81	26	55	СН	1		53.34		22.5	14.9	1	

Soil type	SP	G	Mc	e	γd	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	OMC	MDD	Reference	Dataset notation
85 % Kaolinite: 15% Bentonite	52.9		24.7		15.4	81	26	55	СН	1		53.34		22.5	14.9		
80 % Kaolinite: 20% Bentonite	68.4		14.6		14.3	108	26	82	СН	1		54.82		23.0	14.8		
80 % Kaolinite: 20% Bentonite	75.5		16.3		15.3	108	26	82	СН	1		54.82		23.0	14.8		
80 % Kaolinite: 20% Bentonite	91.6		16.7		15.9	108	26	82	СН	1		54.82		23.0	14.8		
80 % Kaolinite: 20% Bentonite	92.8		18.7		15.8	108	26	82	СН	1		54.82		23.0	14.8		
80 % Kaolinite: 20% Bentonite	67.2		15.3		14.4	108	26	82	CH	1		54.82		23.0	14.8		
80 % Kaolinite: 20% Bentonite	73.3		15.5		15.2	108	26	82	СН	1		54.82		23.0	14.8		
80 % Kaolinite: 20% Bentonite	89.6		15.7		16.0	108	26	82	СН	1		54.82		23.0	14.8		
80 % Kaolinite: 20% Bentonite	89.7		14.9		16.0	108	26	82	СН	1		54.82		23.0	14.8	[4]	DS-4
80 % Kaolinite: 20% Bentonite	73.5		20.3		14.7	108	26	82	СН	1		54.82		23.0	14.8		
80 % Kaolinite: 20% Bentonite	72.6		19.5		15.5	108	26	82	СН	1		54.82		23.0	14.8		
80 % Kaolinite: 20% Bentonite	85.4		21.2		16.1	108	26	82	СН	1		54.82		23.0	14.8		
80 % Kaolinite: 20% Bentonite	81.4		19.4		16.1	108	26	82	СН	1		54.82		23.0	14.8		
80 % Kaolinite: 20% Bentonite	54.0		24.8		14.7	108	26	82	СН	1		54.82		23.0	14.8		
80 % Kaolinite: 20% Bentonite	60.3		26.4		14.7	108	26	82	СН	1		54.82		23.0	14.8		
80 % Kaolinite: 20% Bentonite	67.6		27.7		14.9	108	26	82	СН	1		54.82		23.0	14.8		
80 % Kaolinite: 20% Bentonite	71.8		25.0		15.2	108	26	82	СН	1		54.82		23.0	14.8	1	
			<u> </u>		!	!		!			ļ	ļ l		1			
Clay - Brisbane and Gold Coast area (Queensland, Australia)	1.1					23	14	9	SC	1				11.5	18.8		
Clay - Brisbane and Gold Coast area (Queensland, Australia)	0.5					26	25	2	SM	1				17.5	15.2		
Clay - Brisbane and Gold Coast area (Queensland, Australia)	1.2					30	29	1	SM	1				17.8	16.8	[5]	DS-5
Clay - Brisbane and Gold Coast area (Queensland, Australia)	1.4					34	25	9	SM	1				11.9	18.1	[5]	D9-9
Clay - Brisbane and Gold Coast area (Queensland, Australia)	2					34	17	17	SC	1				15.2	16.2		
Clay - Brisbane and Gold Coast area (Queensland, Australia)	1.7					35	18	17	SC	1				17.4	17.2		

Soil type	SP	G	Mc	e	γd	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	ОМС	MDD	Reference	Dataset notation
Clay - Thagoona area of South East Queensland	2.8					37	18	19	SC	1	0.67	28	19	12.2	18.1		
Clay - Brisbane and Gold Coast area (Queensland, Australia)	1.8					39	24	14	SC	1				14.9	17.9		
Clay - Brisbane and Gold Coast area (Queensland, Australia)	1.8					39	20	19	SC	1				18	16.6		
Clay - Brisbane and Gold Coast area (Queensland, Australia)	4.2					44	23	21	SC	1				17.8	16.2		
Clay - Thagoona area of South East Queensland	5.8					47	23	24	SC	1	0.84	28	15	23.5	15.3		
Clay - Brisbane and Gold Coast area (Queensland, Australia)	6.8					47	24	23	SC	1				18	15.1		
Clay - Brisbane and Gold Coast area (Queensland, Australia)	9.6					52	24	29	SC	1				20.2	16.5		
Clay - Thagoona area of South East Queensland	7.9					54	22	32	SC	1				22	15.2		
Clay - Brisbane and Gold Coast area (Queensland, Australia)	10.7					54	27	27	SC	1				20	15.1	[5]	DS-5
Clay - Thagoona area of South East Queensland	11.2					56	27	29	GC	1	0.87	33	12	23	14.7	[5]	D3-3
Clay - Thagoona area of South East Queensland	4.9					56	24	32	GC	1	1.87	17	12	24.4	15.4		
Clay - Brisbane and Gold Coast area (Queensland, Australia)	9.2					57	23	34	СН	1				18.2	15.7		
Clay - Brisbane and Gold Coast area (Queensland, Australia)	15.6					61	22	40	СН	1				14	17.1		
Clay - Brisbane and Gold Coast area (Queensland, Australia)	14.1					63	24	39	СН	1				24	14.6		
Clay - Brisbane and Gold Coast area (Queensland, Australia)	10.2					64	24	40	СН	1				15	17.8		
Clay - Brisbane and Gold Coast area (Queensland, Australia)	16.4					65	28	37	СН	1				19	16.1		
Clay - Brisbane and Gold Coast area (Queensland, Australia)	16.7					65	31	34	СН	1				29	16.5		
Clay - Brisbane and Gold Coast area (Queensland, Australia)	18.1					70	38	32	МН	1				22.7	15		

Soil type	SP	G	Mc	e	γd	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	OMC	MDD	Reference	Dataset notation
Clay - Brisbane and Gold Coast area (Queensland, Australia)	22.5					75	36	38	МН	1				25	14.5	[6]	DS-5
Clay - Thagoona area of South East Queensland	23.9					80	38	42	МН	1	0.53	79	14	28	14	[5]	DS-3
Disturbed expansive clay	16	2.56				66	26	40	CH	0		52	27	18.0	17.0		
Disturbed expansive clay	15.5	2.66				66	20	46	CH	0		46	30	17.0	17.0		
Disturbed expansive clay	8.1	2.64				54	20	34	CH	0		40	29	18.0	17.0		
Disturbed expansive clay	16	2.65				57	22	35	CH	0		46	30	18.0	17.0		
Disturbed expansive clay	7.5	2.64				67	23	44	СН	0		46	27	17.0	17.0		
Disturbed expansive clay	20	2.66				65	25	40	СН	0		51	26	19.0	16.0		
Disturbed expansive clay	17	2.56				64	25	39	СН	0		53	24	18.0	17.0	[C]	DS-6
Disturbed expansive clay	22.3	2.56				69	28	41	СН	0		54	26	19.0	18.0	[6]	DS-0
Disturbed expansive clay	8.5	2.61				59	19	40	СН	0		40	24	17.0	17.0		
Disturbed expansive clay	6.7	2.61				47	24	23	CL	0		38	26	18.0	17.0		
Disturbed expansive clay	13.7	2.67				47	21	26	CL	0		39	36	18.0	17.0		
Disturbed expansive clay	10	2.65				51	18	33	СН	0		46	24	17.0	17.0		
Disturbed expansive clay	11.8	2.62				55	19	36	СН	0		40	29	19.0	16.0		
Disturbed expansive clay	17	2.57				67	26	41	СН	0		48	30	18.0	17.0		
												,					
Kaolinite	0.26	2.65				28	21	7	CL	7	0.2	30.0	58.0	18.6	15.6		
Degirmenlik clay - North Cyprus	0.84	2.74				37	25	12	CL	7	0.3	35.0	52.0	18.7	16.9		
Akademiz clay - North Cyprus	3.61	2.75				50	28	22	СН	7	0.5	43.5	45.5	23.0	15.5		
Tuzla clay - North Cyprus	5.63	2.78				53	28	25	СН	7	0.6	42.0	48.0	23.1	15.5	[7]	DS-7
Montmorillonitic clay	10.73	2.6				98	40	58	СН	7	0.8	75.5	23.5	32.0	12.5	[7]	D3-7
Kaolinite	2.96	2.65				28	21	7	CL	7	0.2	30.0	58.0	16.6	16.8		
Degirmenlik clay - North Cyprus	4.18	2.74				37	25	12	CL	7	0.3	35.0	52.0	15.9	18.1		
Akademiz clay - North Cyprus	10.48	2.75				50	28	22	СН	7	0.5	43.5	45.5	18.2	17.2		

Soil type	SP	G	Mc	e	γd	LL	PL	PI	USCS	Surcharge	A	Сс	Sc	ОМС	MDD	Reference	Dataset notation
Tuzla clay - North Cyprus	14.27	2.78				53	28	25	СН	7	0.6	42.0	48.0	19.4	16.8		
Montmorillonitic clay	19.86	2.6				98	40	58	СН	7	0.8	75.5	23.5	29.0	13.5		
Kaolinite	4.19	2.65				28	21	7	CL	7	0.2	30.0	58.0	15.6	17.2		
Degirmenlik clay - North Cyprus	9.34	2.74				37	25	12	CL	7	0.3	35.0	52.0	14.3	18.7	[7]	DS-7
Akademiz clay - North Cyprus	15.26	2.75				50	28	22	CL	7	0.5	43.5	45.5	15.9	17.9		
Tuzla clay - North Cyprus	24.32	2.78				53	28	25	СН	7	0.6	42.0	48.0	17.6	17.6		
Montmorillonitic clay	27.49	2.6				98	40	58	СН	7	0.8	75.5	23.5	17.6	14.1		
								•		•					•	•	
Shales, Tabuk -Saudi Arabia	2.4		9.2			52	32	20	MH	7	0.74	27					
Shales, Tabuk -Saudi Arabia	2.5		8.8			58	34	24	MH	7	0.92	26					
Shales, Tabuk -Saudi Arabia	5.6		12.4			46	21	25	CL	7	0.41	61					
Shales, Tabuk -Saudi Arabia	4.8		8.1			67	37	30	MH	7	0.94	32					
Shales, Tabuk -Saudi Arabia	6.5		4.4			58	23	35	СН	7	0.48	73					
Shales, Tabuk -Saudi Arabia	3.8		5.5			36	12	24	CL	7	0.71	34				-	
Shales, Tabuk -Saudi Arabia	7.8		3.7			72	32	40	СН	7	0.56	71					
Shales, Tabuk -Saudi Arabia	6.6		6.2			87	42	45	СН	7	0.74	61					
Shales, Tabuk -Saudi Arabia	6.3		5.8			54	34	20	MH	7	0.39	51				-	
Shales, Tabuk -Saudi Arabia	4.1		10.1			45	31	14	ML	7	0.38	37				[8]	DS-8
Shales, Tabuk -Saudi Arabia	1.7		8.7			32	24	8	ML	7	0.38	21				-	
Shales, Tabuk -Saudi Arabia	10.2		2.7			94	24	70	СН	7	0.75	93					
Shales, Tabuk -Saudi Arabia	10.8		2.3			105	26	79	СН	7	0.87	91				-	
Shales, Tabuk -Saudi Arabia	4.3		9.1			72	39	33	MH	7	0.80	41					
Shales, Tabuk -Saudi Arabia	3.1		7.2			39	18	21	CL	7	0.64	33				-	
Shales, Tabuk -Saudi Arabia	9.2		4.9			80	17	63	СН	7	0.75	84				-	
Shales, Tabuk -Saudi Arabia	7.1		6.4			110	66	44	МН	7	0.79	56				1	
Shales, Tabuk -Saudi Arabia	7.8		4.3			85	35	50	СН	7	0.65	77					
Shales, Tabuk -Saudi Arabia	5.1		8.8			63	37	26	MH	7	0.47	55				1	

Soil type	SP	G	Mc	e	γd	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	OMC	MDD	Reference	Dataset notation
Shales, Tabuk -Saudi Arabia	7.2		5.3			82	27	55	CH	7	1.04	53					
Shales, Tabuk -Saudi Arabia	8.4		2.1			67	15	52	CH	7	0.90	58					
Shales, Tabuk -Saudi Arabia	9.7		2.3			79	26	53	CH	7	0.63	84					
Shales, Tabuk -Saudi Arabia	7.3		4.6			76	40	36	MH	7	0.55	66					
Shales, Tabuk -Saudi Arabia	8.5		1.3			62	16	46	СН	7	0.65	71					
Shales, Tabuk -Saudi Arabia	5.4		5.5			57	16	41	СН	7	0.93	44				[8]	DS-8
Shales, Tabuk -Saudi Arabia	10.5		2.4			93	37	56	СН	7	0.71	79					
Shales, Tabuk -Saudi Arabia	4.1		7.3			58	30	28	MH	7	0.58	48					
Shales, Tabuk -Saudi Arabia	5.1		4.6			35	16	19	CL	7	0.53	36					
Shales, Tabuk -Saudi Arabia	5.7		5.1			62	31	31	СН	7	0.63	49					
Shales, Tabuk -Saudi Arabia	8.2		3.8			89	31	58	CH	7	0.64	91					
disturbed clay samples - Sudan	13.4	2.7	11.9	0.7	15.7			33		6.9		30					
disturbed clay samples - Sudan	21.6	2.7	12.0	0.5	17.3			33		6.9		30				1	
disturbed clay samples - Sudan	10.1	2.7	15.0	0.7	15.8			33		6.9		30					
disturbed clay samples - Sudan	19.9	2.7	15.3	0.5	17.9			33		6.9		30					
disturbed clay samples - Sudan	11.5	2.7	15.5	0.7	15.7			33		6.9		30					
disturbed clay samples - Sudan	9.4	2.7	16.8	0.7	15.7			33		6.9		30					
disturbed clay samples - Sudan	7.8	2.7	16.8	0.8	14.5			33		6.9		30					
disturbed clay samples - Sudan	15.8	2.7	17.4	0.5	17.3			33		6.9		30				[9]	DS-9
disturbed clay samples - Sudan	8.7	2.7	19.8	0.6	16.9			33		6.9		30					
disturbed clay samples - Sudan	8.4	2.7	19.8	0.7	16.1			33		6.9		30					
disturbed clay samples - Sudan	7.1	2.7	23.0	0.7	16.1			33		6.9		30					
disturbed clay samples - Sudan	6.0	2.7	23.6	0.8	14.5			33		6.9		30					
disturbed clay samples - Sudan	5.3	2.7	28.7	0.8	14.9			33		6.9		30					
disturbed clay samples - Sudan	8.3	2.7	11.8	0.8	15.0			33		6.9		30					
disturbed clay samples - Sudan	7.9	2.7	13.3	0.7	15.9			33		6.9		30					

Soil type	SP	G	Mc	e	γa	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	ОМС	MDD	Reference	Dataset notation
disturbed clay samples - Sudan	6.4	2.7	13.5	0.7	15.2			33		6.9		30					
disturbed clay samples - Sudan	10.7	2.7	14.7	0.6	16.7			33		6.9		30					
disturbed clay samples - Sudan	13.3	2.7	16.2	0.5	18.2			33		6.9		30					
disturbed clay samples - Sudan	6.6	2.7	17.4	0.7	15.6			33		6.9		30					
disturbed clay samples - Sudan	3.8	2.7	19.0	0.8	14.7			33		6.9		30					
disturbed clay samples - Sudan	5.9	2.7	19.0	0.6	16.5			33		6.9		30					
disturbed clay samples - Sudan	6.4	2.7	21.4	0.5	17.2			33		6.9		30					
disturbed clay samples - Sudan	4.2	2.7	22.6	0.7	16.0			33		6.9		30					
disturbed clay samples - Sudan	3.4	2.7	26.3	0.7	15.8			33		6.9		30					
disturbed clay samples - Sudan	3.2	2.7	26.4	0.8	14.9			33		6.9		30					
disturbed clay samples - Sudan	2.8	2.7	28.9	0.8	14.6			33		6.9		30					
disturbed clay samples - Sudan	29.8	2.7	14.3	0.8	15.5			32		6.9		61					
disturbed clay samples - Sudan	18.8	2.7	16.9	0.9	14.7			32		6.9		61					DS-9
disturbed clay samples - Sudan	12.6	2.7	20.8	1.0	13.6			32		6.9		61				[9]	
disturbed clay samples - Sudan	14.5	2.7	20.5	0.9	14.6			32		6.9		61					
disturbed clay samples - Sudan	17.2	2.7	20.7	0.8	15.7			32		6.9		61					
disturbed clay samples - Sudan	10.6	2.7	23.9	1.0	13.7			32		6.9		61					
disturbed clay samples - Sudan	10.7	2.7	23.8	0.9	14.6			32		6.9		61					
disturbed clay samples - Sudan	5.8	2.7	29.0	1.0	13.7			32		6.9		61					
disturbed clay samples - Sudan	5.2	2.7	28.4	0.9	14.5			32		6.9		61					
disturbed clay samples - Sudan	3.8	2.7	33.0	1.0	13.8			32		6.9		61					
disturbed clay samples - Sudan	13.1	2.7	13.6	0.8	15.5			32		6.9		61					
disturbed clay samples - Sudan	11.8	2.7	14.8	0.8	15.2			32		6.9		61					
disturbed clay samples - Sudan	8.2	2.7	17.0	0.9	14.6			32		6.9		61					
disturbed clay samples - Sudan	3.7	2.7	20.7	1.0	13.6			32		6.9		61]	
disturbed clay samples - Sudan	5.4	2.7	20.7	0.9	14.5			32		6.9		61					
disturbed clay samples - Sudan	6.9	2.7	20.7	0.8	15.6			32		6.9		61					

Soil type	SP	G	Mc	e	γd	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	OMC	MDD	Reference	Dataset notation
disturbed clay samples - Sudan	8.4	2.7	20.5	0.7	16.5			32		6.9		61					
disturbed clay samples - Sudan	2.8	2.7	23.4	1.0	13.7			32		6.9		61					
disturbed clay samples - Sudan	3.8	2.7	23.9	0.9	14.5			32		6.9		61				[0]	DS-9
disturbed clay samples - Sudan	4.4	2.7	24.5	0.8	15.5			32		6.9		61				[9]	
disturbed clay samples - Sudan	1.1	2.7	29.2	1.0	13.5			32		6.9		61					
disturbed clay samples - Sudan	1.3	2.7	28.3	0.9	14.6			32		6.9		61					
Calcerous clay - Jordan	0.8					23	13	10	CL	6.9	0.48						
Calcerous clay - Jordan	6.8					47	21	26	CL	6.9	0.72						
Calcerous clay - Jordan	1.2					33	15	18	CL	6.9	1.29						
Calcerous clay - Jordan	27.6					70	28	42	CH	6.9	0.71						
Calcerous clay - Jordan	34.8					73	36	37	СН	6.9	0.48						
Calcerous clay - Jordan	5.8					55	33	22	СН	6.9	0.67						
Calcerous clay - Jordan	20.7					80	40	40	СН	6.9	0.74						
Calcerous clay - Jordan	29.8					80	42	38	MH	6.9	0.53						
Calcerous clay - Jordan	37.4					84	40	44	СН	6.9	0.54						
Calcerous clay - Jordan	27.8					77	41	36	MH	6.9	0.51					[10]	DS-10
Calcerous clay - Jordan	3.6					40	22	18	CL	6.9	0.58						
Calcerous clay - Jordan	17.2					62	28	34	СН	6.9	0.67						
Calcerous clay - Jordan	15.1					72	35	37	СН	6.9	0.82						
Calcerous clay - Jordan	1.7					27	14	13	CL	6.9	0.87						
Calcerous clay - Jordan	4.5					40	19	21	CL	6.9	0.7						
Calcerous clay - Jordan	0.7					21	12	9	CL	6.9	0.67					1	
Calcerous clay - Jordan	3.7					19	4	15	CL	6.9	0.45						
Calcerous clay - Jordan	4.1					56	35	21	MH	6.9	0.7					1	
Calcerous clay - Jordan	36.3					88	48	40	СН	6.9	0.52					1	

Soil type	SP	G	Mc	e	γd	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	OMC	MDD	Reference	Dataset notation
Grundite-Bentonitic clay	10.1		15.5			48	19	29	CL	6.9		24.6		15.2			
Grundite-Bentonitic clay	15.95		16.3			64	22	42	СН	6.9		32.8		16.1			
Grundite-Bentonitic clay	25		17			85	27	58	СН	6.9		41		17			
Grundite-Bentonitic clay	7.85		15.1			41	18	23	CL	6.9		27.2		14.9			
Grundite-Bentonitic clay	16.1		16.1			61	21	40	СН	6.9		38.8		16.1			
Grundite-Bentonitic clay	21.8		19.5			76	28	48	СН	6.9		50.5		19.2			
Grundite-Bentonitic clay	10.6		15.1			45	19	27	CL	6.9		37.1		15.1			
Grundite-Bentonitic clay	13.3		17			56	25	31	СН	6.9		48.3		16.5			
Grundite-Bentonitic clay	17.9		18.7			67	31	36	СН	6.9		59.3		18.6		[11]	DC 11
Kaolinite-Bentonitic clay	26.7		14.3			84	19	65	СН	6.9		23.1		14.4		[11]	DS-11
Kaolinite-Bentonitic clay	37.4		16.8			108	21	87	СН	6.9		30.8		16.8			
Kaolinite-Bentonitic clay	46.6		18.8			129	19	111	СН	6.9		38.5		18.8			
Kaolinite-Bentonitic clay	20.3		14.1			58	14	44	СН	6.9		24.4		14.1			
Kaolinite-Bentonitic clay	27.7		16.5			84	17	67	СН	6.9		34.8		16.5			
Kaolinite-Bentonitic clay	35.8		20.8			107	22	85	СН	6.9		45.3		20.8			
Kaolinite-Bentonitic clay	18.8		16.8			61	18	43	СН	6.9		32.3		16.8			
Kaolinite-Bentonitic clay	23.4		19.5			71	21	49	СН	6.9		42		19.5			
Kaolinite-Bentonitic clay	28.2		23.3			90	27	63	СН	6.9		51.7		13.3			
															·		
100% kaolinite	23.3	2.6	10.0		16.4	42	20	22	CL	1.94		47.5					
95 %Kaolinite:5%Bentonite	26.2	2.6	10.0		16.4	48	20	28	CL	1.94		48					
90 % Kaolinite: 10% Bentonite	40.4	2.6	10.0		16.4	71	20	51	СН	1.94		2.59					
85 % Kaolinite: 15% Bentonite	59.0	2.6	10.0		16.4	93	21	72	СН	1.94		2.58				[12]	DC 12
80 % Kaolinite: 20% Bentonite	71.1	2.6	10.0		16.4	112	23	89	СН	1.94		2.56					DS-12
75 % Kaolinite: 25% Bentonite	85.0	2.6	10.0		16.4	135	24	111	СН	1.94		2.55					
70 % Kaolinite: 30% Bentonite	103.6	2.5	10.0		16.4	155	26	129	СН	1.94		2.54					
65 % Kaolinite: 35% Bentonite	118.2	2.5	10.0		16.4	180	26	154	СН	1.94		2.53					

Soil type	SP	G	Mc	e	γd	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	ОМС	MDD	Reference	Dataset notation
60 % Kaolinite: 40% Bentonite	132.7	2.5	10.0		16.4	205	28	177	СН	1.94		2.52					
55 % Kaolinite: 45% Bentonite	143.2	2.5	10.0		16.4	230	28	202	СН	1.94		2.51				[12]	DS-12
50 % Kaolinite: 50% Bentonite	168.6	2.5	10.0		16.4	255	30	225	CH	1.94		2.5					
Rabigh clay - Saudi Arabia	21.5		13.2		18.9	79	38	41	CH	7	1.82	22.5	68.2				
Rabigh clay - Saudi Arabia	22.8		11.1		18.5	78	36	42	CH	7	1.79	23.5	66.5				
Rabigh clay - Saudi Arabia	23.1		12.0		18.7	88	44	44	MH	7	1.73	25.4	64.7				
Rabigh clay - Saudi Arabia	25.4		11.9		18.3	93	47	46	MH	7	1.68	27.3	62.2				
Rabigh clay - Saudi Arabia	24.8		12.5		18.8	81	36	45	СН	7	1.7	26.4	64.1				
Rabigh clay - Saudi Arabia	21.4		10.9		18.9	81	40	41	MH	7	1.77	23.1	64.3				
Rabigh clay - Saudi Arabia	22.9		11.9		18.3	77	33	44	СН	7	1.75	25.1	65.8				
Rabigh clay - Saudi Arabia	25.7		13.1		18.6	94	48	46	MH	7	1.67	27.6	63.3				
Rabigh clay - Saudi Arabia	18.8		11.2		18.7	69	31	38	СН	7	1.89	20.1	67.6				
Rabigh clay - Saudi Arabia	25.3		12.4		18.6	70	27	43	СН	7	1.65	26.1	63.2				
Rabigh clay - Saudi Arabia	25.7		12.6		18.6	81	36	45	СН	7	1.69	26.7	59.5				DS-13
Rabigh clay - Saudi Arabia	26.5		13.5		18.4	80	34	46	CH	7	1.61	28.5	62.4			[13]	
Rabigh clay - Saudi Arabia	24.7		13.5		18.3	75	26	49	СН	7	1.56	31.4	58.4				
Rabigh clay - Saudi Arabia	21.9		11.7		18.9	78	40	38	MH	7	1.78	21.4	69.1				
Rabigh clay - Saudi Arabia	22.1		12.3		18.7	80	36	44	СН	7	1.7	25.9	63.3				
Rabigh clay - Saudi Arabia	23.4		11.1		18.5	82	41	41	СН	7	1.74	23.6	64.9				
Rabigh clay - Saudi Arabia	28.4		13.2		18.7	84	36	48	СН	7	1.69	28.4	61				
Rabigh clay - Saudi Arabia	31.4		13.9		18.6	88	37	51	CH	7	1.59	32.1	59.2				
Rabigh clay - Saudi Arabia	34.2		15.5		18.5	90	37	53	СН	7	1.48	35.7	53.4				
Rabigh clay - Saudi Arabia	28.1		13.5		18.6	83	35	48	СН	7	1.62	29.7	59.4				
Rabigh clay - Saudi Arabia	23.4		13.5		18.7	80	35	45	СН	7	1.74	25.9	62.8				
Rabigh clay - Saudi Arabia	23.7		11.5		18.8	75	33	42	СН	7	1.73	24.3	63				
Rabigh clay - Saudi Arabia	23.4		11.7		18.5	74	32	42	СН	7	1.69	24.8	63				

Soil type	SP	G	Mc	e	γd	LL	PL	PI	USCS	Surcharge	A	Cc	Sc	OMC	MDD	Reference	Dataset notation
Rabigh clay - Saudi Arabia	22.8		11.3		18.9	77	31	46	СН	7	1.86	24.7	64.5			[12]	DC 12
Rabigh clay - Saudi Arabia	23.9		11.8		18.6	88	34	54	СН	7	2.02	26.7	64.1			[13]	DS-13

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